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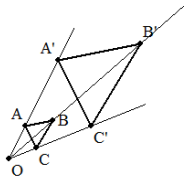
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 3$. If $AC = 6$, what is the length of $A'C'$?



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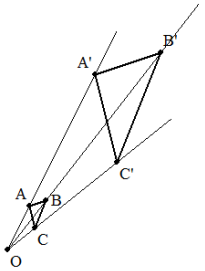
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 4$. If $B'C' = 28$, what is the length of BC?



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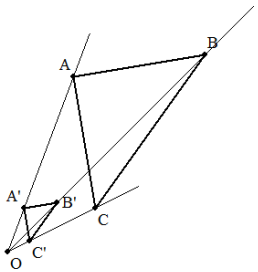
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = \frac{1}{4}$. If $OA = 36$, what is the length of OA'?



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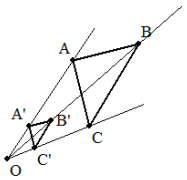
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = \frac{1}{3}$. If $A'B' = 9$, what is the length of AB?



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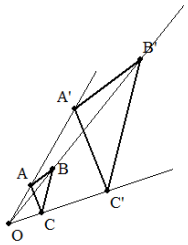
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 3$. If $BC = 4$, what is the length of $B'C'$?



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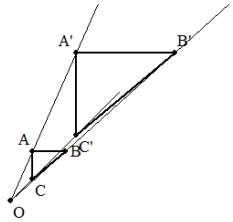
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 3$. If $OB = 7$, what is the length of OB' ?



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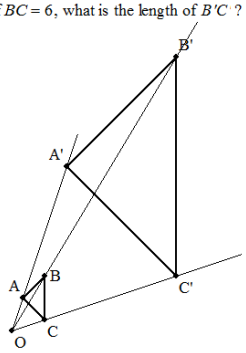
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 5$. If $BC = 6$, what is the length of $B'C'$?



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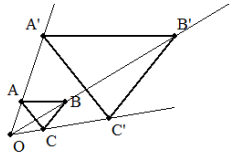
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 3$. If $OA' = 24$, what is the length of OA ?



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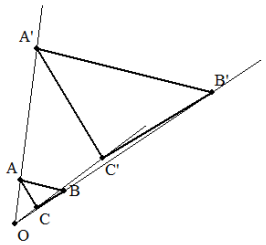
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 4$. If $OC = 4$, what is the length of OC' ?



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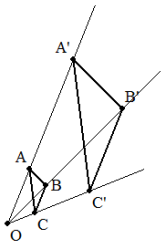
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 3$. If $OB = 6$, what is the length of OB' ?



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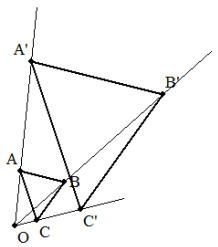
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 3$. If $OB' = 18$, what is the length of OB ?



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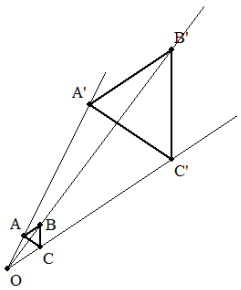
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = 5$. If $OC' = 15$, what is the length of OC ?



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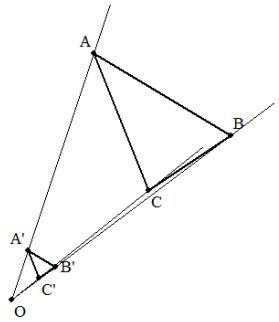
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = \frac{1}{5}$. If $OA = 30$, what is the length of OA' ?



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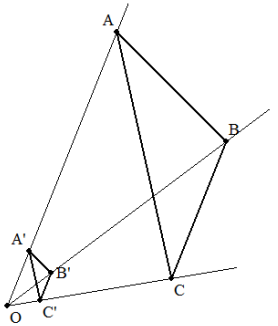
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = \frac{1}{5}$. If $BC = 40$, what is the length of $B'C'$?



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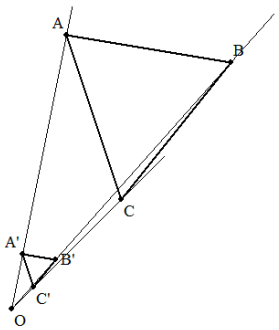
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = \frac{1}{5}$. If $B'C' = 7$, what is the length of BC ?



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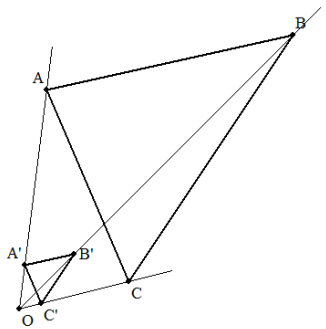
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = \frac{1}{5}$. If $OA' = 4$, what is the length of OA ?



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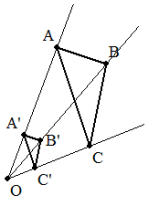
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = \frac{1}{3}$. If $BC = 27$, what is the length of $B'C'$?



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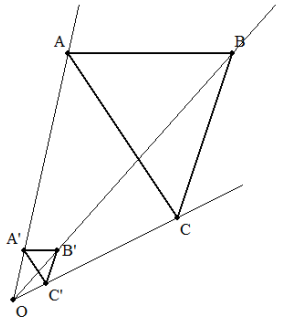
In the image below, triangle ABC has been dilated from center O by a scale factor of $r = \frac{1}{5}$. If $AB = 15$, what is the length of $A'B'$?



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