

Class Time Examples

Date _____

Solve each equation with the quadratic formula.

1) $11x^2 + 3 = 8x$

2) $3n^2 + n = -7$

3) $3n^2 - 3n = -3$

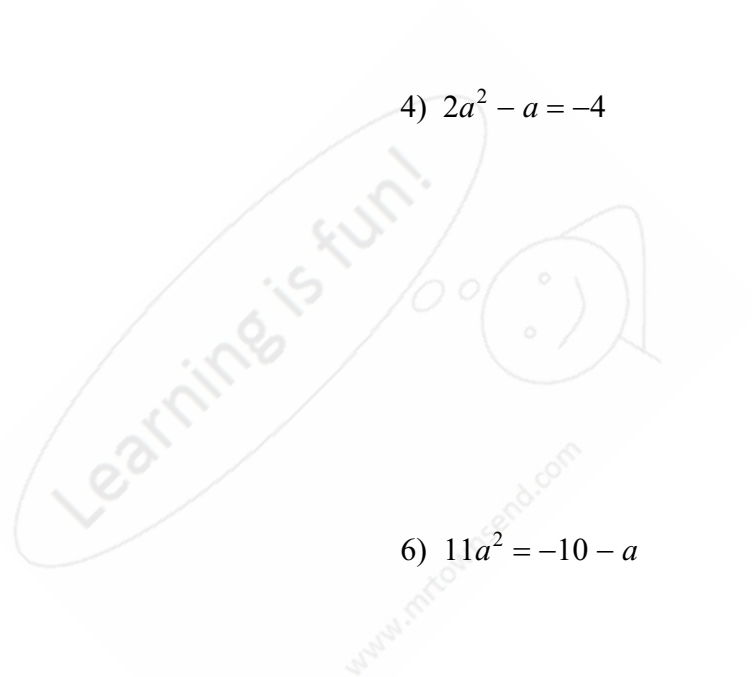
4) $2a^2 - a = -4$

5) $6x^2 + 5 = 5x$

6) $11a^2 = -10 - a$

7) $11x^2 = -2 + 6x$

8) $12a^2 = -12$



Answers to Class Time Examples

$$1) \left\{ \frac{4 + i\sqrt{17}}{11}, \frac{4 - i\sqrt{17}}{11} \right\}$$

$$4) \left\{ \frac{1 + i\sqrt{31}}{4}, \frac{1 - i\sqrt{31}}{4} \right\}$$

$$7) \left\{ \frac{3 + i\sqrt{13}}{11}, \frac{3 - i\sqrt{13}}{11} \right\}$$

$$2) \left\{ \frac{-1 + i\sqrt{83}}{6}, \frac{-1 - i\sqrt{83}}{6} \right\}$$

$$5) \left\{ \frac{5 + i\sqrt{95}}{12}, \frac{5 - i\sqrt{95}}{12} \right\}$$

$$8) \{i, -i\}$$

$$3) \left\{ \frac{1 + i\sqrt{3}}{2}, \frac{1 - i\sqrt{3}}{2} \right\}$$

$$6) \left\{ \frac{-1 + i\sqrt{439}}{22}, \frac{-1 - i\sqrt{439}}{22} \right\}$$

