

1.1 Day 2 Classwork

Factor each completely.

1) $18m^2 - 2$

2) $4b^2 - 13b - 12$

3) $8a^3 + 34a^2 + 30a$

4) $x^2 + 4xy - 12y^2$

5) $4x^4 - 4x^2 - 48$

Solve each equation.

6) $x^2 = 4x + 21$

7) $x(x + 4) = 12$

8) $a^2 + 3a - 8 = 8 - 3a$

9) $5 - 5x^2 = -35$

$$10) 2x^2 + 1 = 4x$$

$$11) x^2 = -4x + 6$$

$$12) p - 2 = \sqrt{7p - 24}$$

$$13) \sqrt{3 - 3n} + 1 = n$$