

Section 10.5-6 Worksheet

Name: _____

Factor the trinomial.

1.) $x^2 + 4x + 3$

2.) $3x^2 + 5x + 2$

3.) $6x^2 - 13x + 2$

4.) $x^2 - 7x - 18$

5.) $x^2 + 4x - 32$

6.) $7x^2 - 15x + 2$

7.) $3x^2 + 6x - 9$

8.) $6x^2 - x - 2$

Factor the trinomial.

9.) $-x^2 - 2x + 15$

10.) $2w^2 + 7w + 3$

Solve the quadratic equations by factoring.

11.) $x^2 - 10x + 21 = 0$

12.) $3n^2 + 13n = -4$

13.) $y^2 - 15y + 44 = 0$

14.) $2x^2 + 7x - 15 = 0$

REVIEW:

Simplify the expression.

15.) $\sqrt{300}$

14.) $\frac{1}{3}\sqrt{45}$

15.) $-\sqrt{\frac{8}{2}}$