

Section 10.7 Worksheet

Name: _____

Factor the special binomial.

1.) $x^2 - 36$

2.) $25p^2 - 144$

3.) $4b^2 - 100$

4.) $36m^2 - 81$

5.) $2x^2 - 32$

6.) $4r^2 - 100s^2$

Solve the equation by factoring.

7.) $x^2 - 9 = 0$

8.) $36w^2 - 4 = 0$

9.) $8a^2 - 72 = 0$

10.) $8w^2 = 50$

REVIEW:

Factor the trinomial.

11.) $6s^2 - s - 5$

12.) $4n^2 + 16n + 15$

13.) $6k^2 + 13k + 6$

14.) $r^2 + 18r + 81$

Graph the function by completing the table. Identify the graph's axis of symmetry (AOS), vertex, and tell whether the graph opens up or down.

15.) $y = -x^2 - 2x + 3$

AOS: _____

vertex: _____

y-int: _____

opens: _____

x					
y					

