Practice 13.4

Name_____

(13.3) Factor Completely

1) $5x^5 - 85x^4 + 360x^3$

(13.4) Factor.

2) $x^2 - 144$

3) $x^2 + 36$

4) $4 - 49x^2$

5) $y^2 - 12y + 144$

6) $64x^2 - 112x + 49$

7) $36a^2 - b^2$

Solve.

8) A rectangle has an area of $x^2 + 11x + 28$. Find one possibility for its width and its length.

Provide an appropriate response.

9) $x^2 + \underline{\quad} + 64$ is a perfect square trinomial.

1) $5x^3(x - 9)(x - 8)$
2) $(x - 12)(x + 12)$
3) Not possible
4) $(2 - 7x)(2 + 7x)$
5) Not possible
6) $(8x - 7)^2$
7) $(6a - b)(6a + b)$
8) $x + 7,\ x + 4$
9) $16x$