

11.5 Solving Equations

Name: _____

- Solving Polynomial Equations

- If $ab = 0$ then $a = 0$ **or** $b = 0$.

- Examples:

1. $t^2 - 3t = 28$

2. $r^2 + 16 = 8r$

3. $x^2 - 9x = 0$

4. $x^3 - 2x^2 = 63x$

5. $t^4 - 13t^2 + 36 = 0$

6. $(a-4)(a+4) = 20$

7. $f(x) = x^2 + 14x + 50$ find a
when $f(a) = 5$

8. $6b^2 + 6 = 13b$