

## Solving Cubic (and Other Power) Functions

Name: \_\_\_\_\_

Solve the following functions.

1)  $\frac{1}{5}x^3 - 2 = 25$

2)  $22(x + 2)^4 - 190 = 1263$

3)  $3(x + 9)^3 = 12.5$

4)  $-5x^{10} + 25 = 19$

5)  $3x^3 - 35 = 5x^3 + 11$

6)  $x^4 - 2 = x^4 - x^3 + 2$

Solve the following problems for the indicated variable.

7) Solve  $r - 7 = \frac{1}{2}(h + y)^3 + 6$  for  $y$ .

8) Solve  $2p = \frac{c^5 + t}{2\pi - r} + p$  for  $c$ .