

Equations Self-Test

Name _____

- 1) Solve: $3.2 = h - 7$
a) $h = 3.9$ b) $h = -3.8$ c) $h = 3.8$ d) $h = 10.2$ e) none of these
- 2) Which equation would you use to solve the problem: Ten less than Mark's age is 43. Find his age.
a) $10 - a = 43$ b) $43 - a = 10$ c) $a + 43 = 10$
d) $a + 10 = 43$ e) $a - 10 = 43$
- 3) Solve: $\frac{-1}{3}y = 15$
a) $y = -5$ b) $y = 45$ c) $y = 5$ d) $y = 6$ e) $y = -45$
- 4) Solve $5y - 8y = -39$
a) $y = -3$ b) $y = -13$ c) $y = 3$ d) $y = 7$ e) $y = 13$
- 5) Solve $-5x + 7 = 17$
a) $x = -24/5$ b) $x = 2$ c) $x = 15$ d) $x = 19$ e) none of these
- 6) Solve $E = IR$ for I.
a) $I = E/R$ b) $I = R/E$ c) $I = ER$ d) $I = E^R$ e) none of these

Solve each of the following. SHOW ALL OF YOUR WORK!!!

7) $m + 13 = -9$ 8) $y + (-3) = 12$ 9) $k - (-3) = 28$

10) $-3x = 63$

11) $3x + 1 = 16$

12) $\frac{3x}{4} = -27$

13) $-3y + 2 = 20$

14) $\frac{x}{2} - 3 = -7$

15) $2x - 4 = 2x + 5$

16) $4x + 4 = 2x - 5$

17) $3(x - 1) = 7$

18) $3x - 9 = 3(x - 3)$

19) $2(x + 3) = 4(x - 2)$

20) Solve $Q = 2 + RT$ for T .