

EquationReview for Final

1. Solve: $-12 = x + 4$
 2. Solve: $y - 8 = -5 - 1$
 3. Solve: $-7 + 10 = 4x - 6 - 3x$
 4. Solve: $-3y = -27$
 5. Solve: $20 - 2 = -4x + 10$
 6. Solve: $2x - 1 = -7$
 7. Solve: $-2x + 5 = -7$
 8. Solve: $3(5x - 1) - 2 = 13x + 3$
 9. Solve: $9 - 3x = 14 + 2x$
 10. Solve: $\frac{4}{7}x = -8$
 11. Solve: $\frac{1}{2} - \frac{3}{5} = \frac{x}{10}$
 12. Solve: $2x - 4.2 = 8.6$
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Formulas to Know

Circumference of circle: $2 \bullet \pi \bullet r$

Area: circle = $\pi \bullet r^2$
 rectangle = $l \bullet w$
 triangle = $\frac{1}{2} \bullet b \bullet h$

Volume: rectangular box = $l \bullet w \bullet h$

$P \bullet B = A$ (percent \bullet base = amount)

Pythagorean Theorem $a^2 + b^2 = c^2$

$\pi \approx 3.14$

Equivalent relations

12 inches = 1 foot

3 feet = 1 yd

1 meter = 100 cm

1 meter = 1000 mm

1 kilometer = 1000 meters

Answers

1. -16
2. 2
3. 9
4. 9
5. -2
6. -3
7. 6
8. 4
9. -1
10. -14
11. -1
12. 6.4