Geometry Baseline Review Name _____

Write as an algebraic expression.

1. 8 less than m

Evaluate for $a = -4$, $b = 8$, $c = 2$ and $d = -3$.

2. $-9d + a(b - c)$

Simplify.

3. $(-2)^6$

4. $(4\sqrt{3})^2$

5. $\dfrac{2}{\sqrt{10}}$

6. $8\sqrt{2} \cdot 3\sqrt{3}$

7. $2\sqrt{64} + 10\sqrt{12} - 5\sqrt{48}$

8. $(k^2)^3(k^4)$

9. $\left(\frac{4}{5}wx^5\right)^2$

Multiply.

10. $(z - 12)(3z + 2)$

Find the slope.

11. $(-6, 9)$ $(-3, -6)$

Solve.

12. $31 \leq 15 - 8x$

13. $3y + 6 - 8y \leq 7 + 5y - 12$

14. $-5 < 2y - 3 \leq 23$

15. $4y - 14 + 18y - 5 - 10y = 29$

16. $3w + 6(w + 1) - 10 = 11w - 3(4 - 2w)$

17. $\dfrac{-r - 8}{2} = 14$

18. $24 + \dfrac{1}{6}n = \dfrac{1}{3}n$

19. $\dfrac{7}{5n - 2} = \dfrac{3}{2n}$

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

21. $m^2 - 3m - 10 = 0$

22. $5y^2 - 20y - 60 = 0$

23. $6p^2 - 11p - 7 = 0$

24. $0 = 48 - 3r^2$

25. $5y + x - 14 = 0$
$-x + 2 = 3y$

Geometry Baseline Review 8/1/2017

1.
Answer: $m - 8$

2.
Answer: 3

3.
Answer: 64

4.
Answer: 48

5.
Answer: $\frac{\sqrt{10}}{5}$

6.
Answer: $24\sqrt{6}$

7.
Answer: 16

8.
Answer: k^{10}

9.
Answer: $\frac{16}{25}w^2x^{10}$

10.
Answer: $3z^2 - 34z - 24$

11.
Answer: -5

12.
Answer: $x \leq -2$

13.
Answer: $y \geq \frac{11}{10}$

14.
Answer: $-1 < y \leq 13$

15.
Answer: 4

16.
Answer: 1

17.
Answer: -36

18.
Answer: 144

19.
Answer: 6

20.
Answer: 0,9

21.
Answer: $-2, 5$

22.
Answer: $6, -2$

23.
Answer: $-\frac{1}{2}, \frac{7}{3}$

24.
Answer: ± 4

25.
Answer: $(-16, 6)$