

Simplify.

20. $(x^2 + 2x - 1) + (5x - 4)$

20. _____

21. $(3d^2 - 2d + 1) - (4d^2 + 3d - 3)$

21. _____

22. $(4m^2 + 3m - 3) - (2m + 1)$

22. _____

23. $(3y + 2) - (y^2 + 2y - 7)$

23. _____

24. $(x^2y + xy^2 + y) - (4x^2y - 2xy^2 - 3y)$

24. _____

25. $\left(\frac{1}{2}x^2y + \frac{1}{3}xy^2 - \frac{1}{4}y\right) - \left(\frac{1}{3}x^2y - \frac{1}{2}xy^2 + \frac{3}{8}\right)$

25. _____

26. $(1.2m^2n - 2.3mn^2 + 3.1n) - (-0.8m^2n + 0.6mn^2 - 4.6n)$

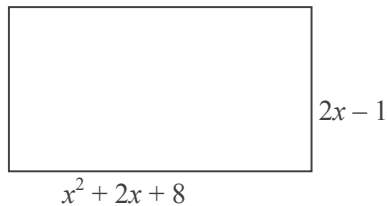
26. _____

27. $-[-(3s^2 - 2s) - (3s - 4s^2) - s^2]$

27. _____

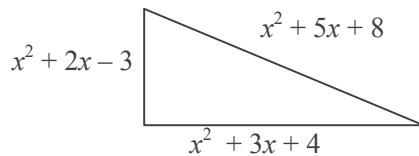
Find an expression for the perimeter of each figure.

28.



28. _____

29.



29. _____

Problem Solving

30. The volume of a cube is a function of its side, s , where $V(s) = s^3$. Find the volume of a cube with a base edge of 6 cm.

30. _____