Add the polynomials.

1. $4X^2 + 3X + 1$
   $+ 7X^2 + 2X - 3$

2. $2X^2 - X - 6$
   $+ 8X^2 - 1X - 2$

3. $-5X^2 + 8X - 7$
   $+ 6X^2 - 4X + 6$

Multiply the binomials.

4. $3X + 4$
   $\times X + 5$

5. $X + 6$
   $\times X + 8$

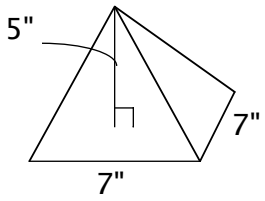
6. $2X + 3$
   $\times X + 6$

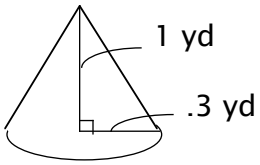
7. $(X + 2)(X + 1) =$

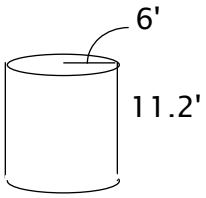
8. $(X + 6)(X + 4) =$

9. $(2X + 2)(X + 2) =$

Find the volume. Round to hundredths.

10. 

11. 

12. 

Add or subtract the times.

13.
$$\begin{array}{r} 3{:}21 \\ -\ 1{:}06 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 4{:}37 \\ -\ 1{:}49 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 5{:}28 \\ +\ 7{:}52 \\ \hline \end{array}$$

Change to military time or standard time.

16. 10:19 p.m.

17. 4:00 a.m.

18. 5:30 p.m.

19. 0017

20. 0330

21. 1945

Add or subtract the military times or measurements.

22.
$$\begin{array}{r} 0540 \\ +\ 1720 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 2010 \\ +\ 0235 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 1012 \\ -\ 0642 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 9'\ 2'' \\ -\ 4'\ 6'' \\ \hline \end{array}$$

26.
$$\begin{array}{r} 5\text{ yd }2\text{ ft} \\ +\ 8\text{ yd }2\text{ ft} \\ \hline \end{array}$$

27.
$$\begin{array}{r} 12\text{ lb }4\text{ oz} \\ -\ 5\text{ lb }7\text{ oz} \\ \hline \end{array}$$

Tell if the numbers are rational or irrational.

28. π

29. $\sqrt{25}$

30. $\sqrt{2}$

31. What is 250% of 34?

32. How many degrees are there in a right angle?

33. Find the mean of the list of data: 4, 6, 6, 7, 12

34. Meredith entered the drawing six times. If there are a total of 432 entries, what is the probability of one of her entries being drawn?

35. What is the name given to 1,000 meters?