

# HW129

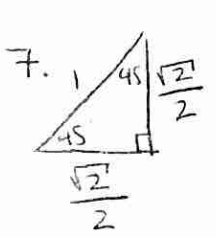
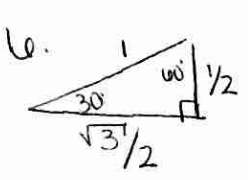
1.  $60 \cancel{\text{yr}} \cdot \left( \frac{1 \cancel{\text{ft}}}{12 \cancel{\text{yr}}} \right) = 5 \text{ft}$

2.  $9 \cancel{\text{yds}} \left( \frac{3 \cancel{\text{ft}}}{1 \cancel{\text{yds}}} \right) = 27 \text{ft}$

3.  $8 \cancel{\text{mm}} \left( \frac{1 \cancel{\text{cm}}}{10 \cancel{\text{mm}}} \right) \left( \frac{1 \cancel{\text{m}}}{100 \cancel{\text{cm}}} \right) = \frac{1}{125} \text{m}$

4.  $2 \cancel{\text{yds}} \left( \frac{3 \cancel{\text{ft}}}{1 \cancel{\text{yds}}} \right) \left( \frac{12 \cancel{\text{in}}}{1 \cancel{\text{ft}}} \right) = 72 \text{in}$

5.  $18 \cancel{\text{cm}} \left( \frac{10 \cancel{\text{mm}}}{1 \cancel{\text{cm}}} \right) = 180 \text{mm}$



8.  $\left( \frac{2\pi}{3} \right) \frac{1}{1} - \frac{\pi}{3}$   
 $= \frac{6\pi}{3} - \frac{\pi}{3}$   
 $= \frac{5\pi}{3}$

9.  $\left( \frac{6\pi}{6} \right) \frac{1}{1} + \frac{5\pi}{6}$   
 $= \frac{6\pi}{6} + \frac{5\pi}{6}$   
 $= \frac{11\pi}{6}$

10.  $\left( \frac{6\pi}{6} \right) \frac{1}{1} - \frac{\pi}{6}$   
 $= \frac{6\pi}{6} - \frac{\pi}{6}$   
 $= \frac{5\pi}{6}$

11.  $\left( \frac{6}{4} \right) \frac{2\pi}{1} - \frac{5\pi}{6}$   
 $= \frac{12\pi}{6} - \frac{5\pi}{6}$   
 $= \frac{7\pi}{6}$

12.  $\frac{7\pi}{4} + \frac{2\pi}{1} \left( \frac{4}{4} \right)$   
 $= \frac{7\pi}{4} + \frac{8\pi}{4}$   
 $= \frac{15\pi}{4}$

13.  $-\frac{7\pi}{6} + \frac{2\pi}{1} \left( \frac{6}{6} \right)$   
 $= -\frac{7\pi}{6} + \frac{12\pi}{6}$   
 $= \frac{5\pi}{6}$

14.  $\frac{22\pi}{3} - \frac{6\pi}{1} \left( \frac{3}{3} \right)$   
 $= \frac{22\pi}{3} - \frac{18\pi}{3}$   
 $= \frac{4\pi}{3}$

15.  $\frac{5\pi}{6} + \frac{\pi}{3} \left( \frac{2}{2} \right)$   
 $= \frac{5\pi}{6} + \frac{2\pi}{6}$   
 $= \frac{7\pi}{6}$

16.  $\frac{5\pi}{3} \left( \frac{4}{4} \right) - \frac{\pi}{4} \left( \frac{3}{3} \right)$   
 $= \frac{20\pi}{12} - \frac{2\pi}{12}$   
 $= -\frac{\pi}{12}$

17.  $y = f(x+3) + 1$

18. over x-axis, <sup>down</sup>  $y = -f(x) - 1$

19. over y-axis  $y = f(-x)$

20. VD by 1/2, RI, DI  $y = \frac{1}{2}f(x-1) - 1$

21-24 see second page