

8. 'and' means multiplication, so $P(P\&F) = .75 * .25 = .1875 = 18.75\%$

12. 10%

16. $.05 + .01 = .06 = 6\%$

20. The altitude is the geometric mean between the two parts of the hypotenuse: $\frac{3}{x} = \frac{x}{12}$;
cross multiply: $x^2 = 36$ so $x = 6 = BD$

24. $.10 * .40 = .04 = 4\%$