Physics Math Skills

1. $d = vt$
    a) solve for v

    b) solve for t

2. $F = ma$
    a) solve for m

    b) solve for a

3. $y = mx + b$
    a) solve for x

    b) solve for m

4. $2x + 3y = z$
    a) solve for x

    b) solve for y

5. $v_f^2 = v_i^2 + 2ad$
    a) solve for v_f

    b) solve for d

    c) solve for a

6. $d = v_i t + \dfrac{1}{2} a t^2$

    a) solve for a

    b) solve for v_i

7. $P = \dfrac{Fd}{t}$

    a) solve for F

    b) solve for d

    c) solve for t

8. $\dfrac{1}{f} = \dfrac{1}{d_o} + \dfrac{1}{d_i}$

    a) solve for f

    b) solve for d_i

9. $mgh = \dfrac{1}{2} m v^2$

    a) solve for h

    b) solve for v

10. $m = \dfrac{m_0}{\sqrt{1 - \dfrac{v^2}{c^2}}}$

    a) solve for m_0

    b) solve for v