Round all answers to an appropriate degree of accuracy unless specifically stated

1. Solve the equation

$$3(2x - 4) + 3 = 14 - (x + 2)$$

2. Solve the system of equations

$$4x - 3y = -7$$
$$3x + 4y = 26$$

3. Factorise

$$3x^2 - 7x - 6$$

4. Simplify

$$\frac{5a^3 \times 4a^5}{2a^2}$$

5. After a runner increases her training routine by 10%, she can run 16 miles. How far could she run before she changed her routine?

6. Evaluate and simplify

$$3\frac{3}{4} \div 1\frac{3}{7}$$