Changing the Subject (Harder)

Question 1. Make x the subject:

$$y = 3x + 7$$

[2 marks]

Question 2. Make x the subject:

$$y = \frac{2x - 5}{3}$$

[2 marks]

Question 3. Make x the subject:

$$y = \sqrt{x+4}$$

[2 marks]

Question 4. Make x the subject:

$$y = \frac{1}{x+2}$$

[2 marks]

Question 5. Make x the subject:

$$y = \frac{x-1}{x+3}$$

[2 marks]

Question 6. Make x the subject:

$$y = \frac{4}{3x+2}$$

[2 marks]

Question 7. Make x the subject:

$$y = \frac{2x + 1}{5} + 3$$

[2 marks]

Question 8. Make x the subject:

$$y = \frac{1}{2}(x + 4)^2$$

[2 marks]

Question 9. Make x the subject:

$$A = \pi r^2$$

[2 marks]

Question 10. Make x the subject:

$$y = \frac{3}{\sqrt{x}}$$

[2 marks]

Question 11. Make x the subject:

$$y^2 = 4x + 1$$

[2 marks]

Question 12. Make x the subject:

$$y = \frac{1}{x^2}$$

[2 marks]

Question 13. Make x the subject:

$$y = \frac{x+1}{x-2}$$

[2 marks]

Question 14. Make x the subject:

$$y = \frac{2}{x} + 3$$

[2 marks]

Question 15. Make x the subject:

$$y = \frac{1}{\sqrt{x+3}}$$

[2 marks]

Question 16. Make x the subject:

$$P = \frac{2L + 3x}{5}$$

[2 marks]

Question 17. Make x the subject:

$$V = \frac{1}{3}\pi r^2 x$$

[2 marks]

Question 18. Make x the subject:

$$F = \frac{Gm_1m_2}{x^2}$$

[2 marks]

Question 19. Make x the subject:

$$A = \frac{1}{2}(a+b)x$$

[2 marks]

Question 20. Make x the subject:

$$y = \frac{x-1}{\sqrt{x+2}}$$

[2 marks]
