

1. Find all real solutions:

(a) $2\sqrt{u+5} = u+2$

(b) $\sqrt[3]{n^2-9} - 6 = 0$

(c) $-2x = \sqrt{6x+4}$

(d) $\sqrt{2z} - \sqrt{2z-7} = 1$

(e) $\sqrt{y+6} - \sqrt{4-y} = 2$

(f) $\sqrt{2x+8} - \sqrt{x+2} = 2$

(g) $\frac{2x-3}{\sqrt{x+2}} = \sqrt{x}$