

$$A) 3\sqrt{2} + 7\sqrt{2}$$

$$B) 5\sqrt{7} - 6\sqrt{7}$$

$$10\sqrt{2}$$

Like
Radicals
Ma



$$C) 4\sqrt{3} - 2\sqrt{5}$$

$$\text{d) } \underbrace{2\sqrt{7}} + \underbrace{4\sqrt{3}} - \underbrace{9\sqrt{7}} + \underbrace{5\sqrt{3}}$$
$$-7\sqrt{7} + 9\sqrt{3}$$

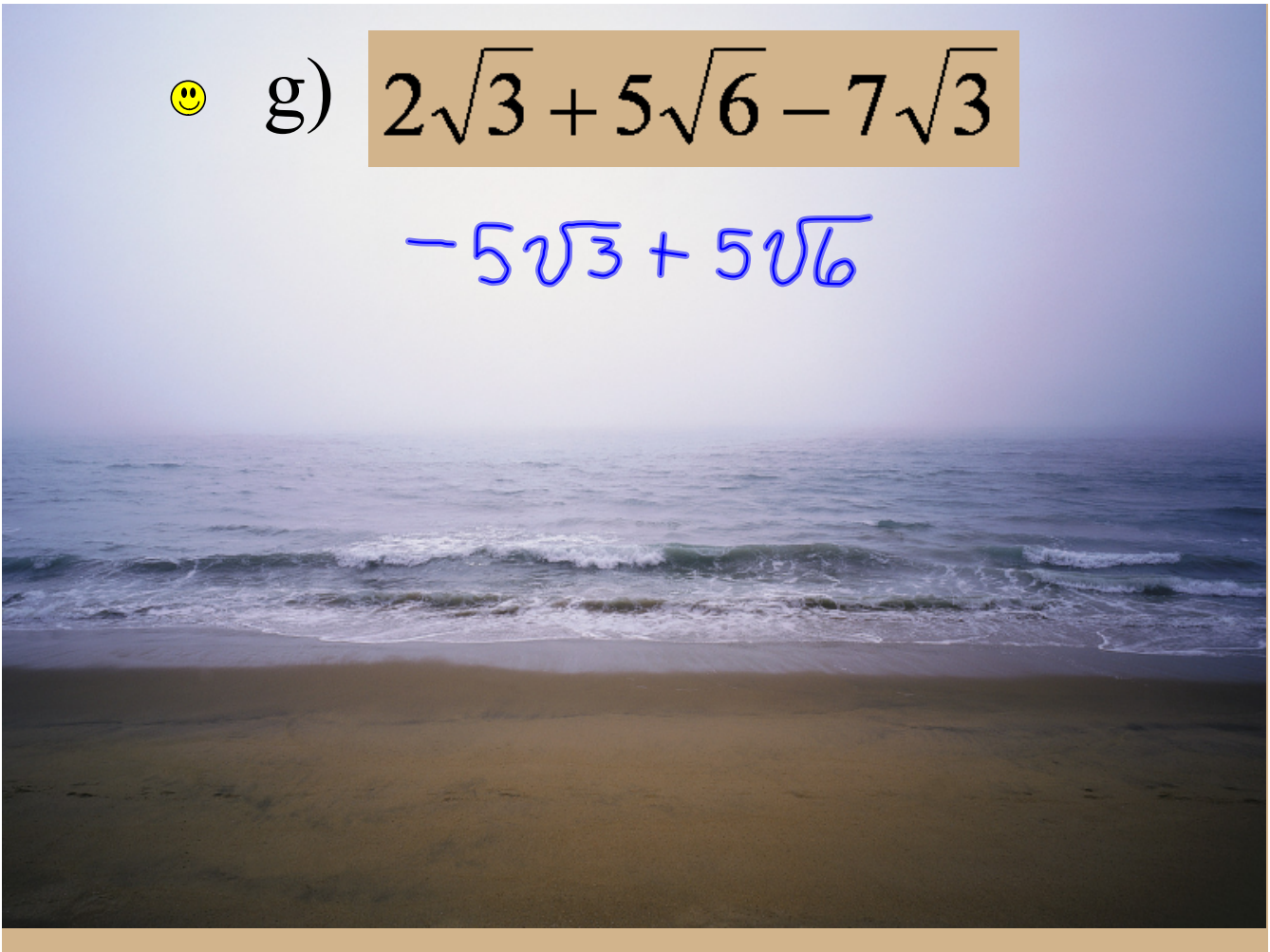


$$\text{e) } 6\sqrt{3} + \sqrt{12}$$
$$6\sqrt{3} + \sqrt{4 \cdot 3}$$
$$6\sqrt{3} + 2\sqrt{3}$$
$$8\sqrt{3}$$

$$f) \quad 2\sqrt{50} + \sqrt{18} - 3\sqrt{8} + 7\sqrt{2}$$

$$2 \sqrt{25 \cdot 2} + \sqrt{9 \cdot 2} - 3 \sqrt{4 \cdot 2} + 7\sqrt{2}$$
$$10\sqrt{2} + 3\sqrt{2} - 6\sqrt{2} + 7\sqrt{2}$$

$$14\sqrt{2}$$



☺ g) $2\sqrt{3} + 5\sqrt{6} - 7\sqrt{3}$
 $- 5\sqrt{3} + 5\sqrt{6}$

h)

$$\frac{2^{\cdot 2}}{3^{\cdot 2}}\sqrt{7} + \frac{1^{\cdot 3}}{2^{\cdot 3}}\sqrt{7} - \frac{5}{6}\sqrt{7}$$

Common
Denominator →

$$\frac{4}{6}\sqrt{7} + \frac{3}{6}\sqrt{7} - \frac{5}{6}\sqrt{7}$$

$$\frac{2}{6}\sqrt{7}$$

$$\frac{1}{3}\sqrt{7}$$

$$i) \quad \frac{2}{3} \sqrt{162} + \frac{1}{2} \sqrt{12} - \frac{5}{6} \sqrt{72}$$

$$\frac{2}{3} \sqrt{81 \cdot 2} + \frac{1}{2} \sqrt{4 \cdot 3} - \frac{5}{6} \sqrt{36 \cdot 2}$$

$$\therefore \left[\frac{18}{3} \right] \sqrt{2} + \left[\frac{2}{2} \right] \sqrt{3} - \left[\frac{30}{6} \right] \sqrt{2}$$

$$6\sqrt{2} + 1\sqrt{3} - 5\sqrt{2}$$

$$1\sqrt{2} + 1\sqrt{3}$$

