

TUGAS KELAS X - 1

$$1. (2 \times 5)^3 = (2 \times 5) \times (\dots \times \dots) \times (\dots \times 5)$$

$$= (2 \times \dots \times 2) \times (5 \times \dots \times \dots) = 2 \dots \cdot 5 \dots$$

$$2. \text{Sederhanakanlah } \frac{3^5 \cdot 2^4}{3^2 \cdot 2^6}$$

$$= \frac{\dots \dots \dots}{\dots \dots \dots} \times \frac{\dots \dots \dots}{\dots \dots \dots}$$

$$= \dots \dots \dots^{-\dots} \times \dots \dots \dots^{-\dots}$$

$$= \dots \dots \dots \times \dots \dots \dots^2$$

$$3. \sqrt{8} = \sqrt{\dots \times \dots} = \sqrt{\dots} \times \sqrt{\dots} = \dots \sqrt{\dots}$$

$$4. \sqrt{48} = \sqrt{\dots \times \dots} = \sqrt{\dots} \times \sqrt{\dots} = \dots \sqrt{\dots}$$

$$5. 3\sqrt{5} + 4\sqrt{5} = (\dots + \dots) \sqrt{5} = \dots$$

$$6. 5\sqrt{2} - 7\sqrt{2} = (\dots - \dots) \sqrt{2} = \dots$$

$$7. \frac{3}{\sqrt{5}} = \frac{3}{\sqrt{5}} \times \frac{\sqrt{5}}{\sqrt{5}} = \dots \sqrt{\dots}$$

$$8. \frac{14}{\sqrt{7}} = \frac{14}{\sqrt{7}} \times \frac{\sqrt{7}}{\sqrt{7}} = \dots \sqrt{\dots}$$

$$9. \frac{5}{3+\sqrt{2}} = \frac{5}{3+\sqrt{2}} \times \frac{3-\sqrt{2}}{3-\sqrt{2}} = \frac{5(3-\sqrt{2})}{(3+\sqrt{2})(3-\sqrt{2})} =$$

$$\frac{\dots \dots \dots - \dots \sqrt{\dots}}{\dots - \dots} = \frac{\dots \dots \dots - \dots \sqrt{\dots}}{\dots}$$