

แบบฝึกหัดที่ 2.2

ความสัมพันธ์ของรูปสามเหลี่ยมมุมฉาก

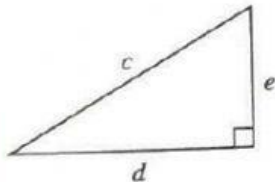
1. จงใช้สมบัติของรูปสามเหลี่ยมมุมฉากแสดงความสัมพันธ์ระหว่างความยาวของด้านทั้งสาม

(1)

$$c^2 = e^2 + d^2$$

$$e^2 = c^2 + d^2$$

$$d^2 = e^2 + c^2$$

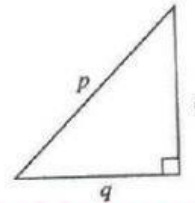


(2)

$$r^2 = p^2 + q^2$$

$$p^2 = r^2 + q^2$$

$$q^2 = p^2 + r^2$$

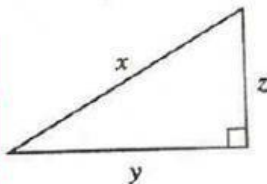


(3)

$$y^2 = x^2 + z^2$$

$$x^2 = y^2 + z^2$$

$$z^2 = x^2 + y^2$$

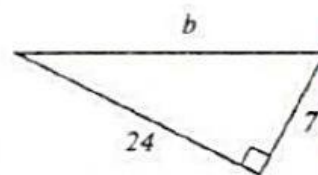


(4)

$$7^2 = b^2 + 24^2$$

$$24^2 = 7^2 + b^2$$

$$b^2 = 7^2 + 24^2$$

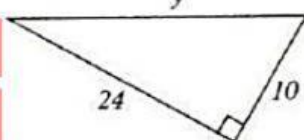


(5)

$$y^2 = 24^2 + 10^2$$

$$24^2 = y^2 + 10^2$$

$$10^2 = y^2 + 24^2$$

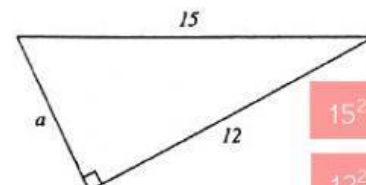


(6)

$$15^2 = a^2 + 12^2$$

$$12^2 = a^2 + 15^2$$

$$a^2 = 15^2 + 12^2$$

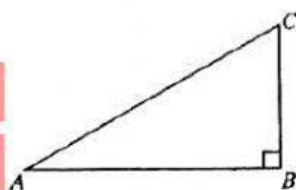


(7)

$$AB^2 = AC^2 + BC^2$$

$$BC^2 = AC^2 + AB^2$$

$$AC^2 = BC^2 + AB^2$$

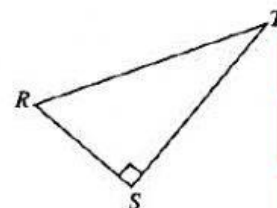


(8)

$$RS^2 = ST^2 + RT^2$$

$$ST^2 = RS^2 + RT^2$$

$$RT^2 = RS^2 + ST^2$$

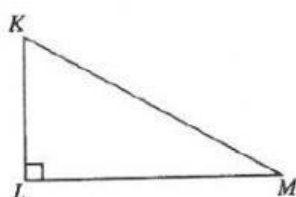


(9)

$$KL^2 = KM^2 + LM^2$$

$$KM^2 = KL^2 + LM^2$$

$$LM^2 = KM^2 + LM^2$$



(10)

$$PN^2 = MN^2 + PM^2$$

$$PM^2 = MN^2 + PN^2$$

$$MN^2 = PM^2 + PN^2$$

