ISOSCELES TRIANGLE

1. If perimeter of an isosceles triangle is 64 cm and height is 8 cm. Then find area of triangle

A) $90\ cm^2$ B) $105\ cm^2$ C) $68\ cm^2$ D) $120\ cm^2$

2. In a ΔABC, D and E are two points on AC and BC respectively such that $DE \perp BC$ and DE = 18 cm, EC = 5 and $\tan(\angle ABC) = 3.6$ then $\frac{AC}{CD} = ?$

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A) $\frac{BC}{2CE}$ B) $\frac{2BC}{CE}$ C) $\frac{CE}{2BC}$ D) $\frac{2CE}{BC}$

3. In an isosceles right angled triangle, whose perimeter is 2p cm then find the area of triangle?

A) $\left(3+2\sqrt{2}\right)p\ cm^2$ B) $\left(3-2\sqrt{2}\right)p^2\ cm^2$

C) $\left(2-\sqrt{2}\right)p\ cm^2$ D) $\left(2+\sqrt{2}\right)p^2\ cm^2$

4. ΔABC is an isosceles right angle triangle with $\angle C = 90°$. If D is any point on AB such that $CD = 2\sqrt{5}\ cm$ and BD = 6 cm. Find the value of AD?

A) 2cm B) 4cm C) $3\frac{1}{3}\ cm$ D) CND

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5. ΔABC is an isosceles right angled triangle, $\angle C = 90°$. If D is any point on AB, then $AD^2 + BD^2$ is equal to?

A) CD^2 B) $2CD^2$ C) $3CD^2$ D) $4CD^2$

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