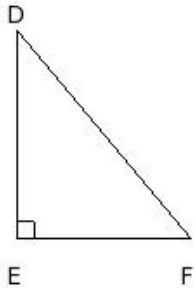
EduSahara™ Assignment

Name : Trigonometric Ratios of Complementary Angles

Chapter : Trigonometrical Ratios

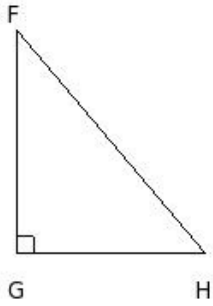
Grade : ICSE Grade IX

1. From the given figure, find $\sin(90 - D)$



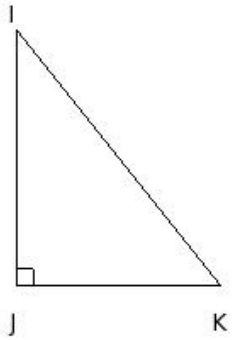
(i) $\frac{DE}{EF}$ (ii) $\frac{EF}{DE}$ (iii) $\frac{DF}{EF}$ (iv) $\frac{DE}{DF}$ (v) $\frac{EF}{DF}$

2. From the given figure, find $\cos(90 - F)$



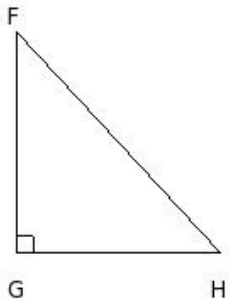
(i) $\frac{FG}{FH}$ (ii) $\frac{FG}{GH}$ (iii) $\frac{FH}{FG}$ (iv) $\frac{GH}{FH}$ (v) $\frac{GH}{FG}$

3. From the given figure, find $\tan(90 - I)$



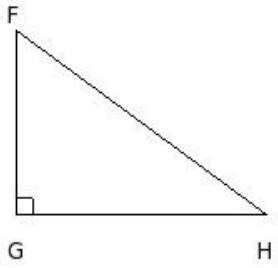
(i) $\frac{IK}{JK}$ (ii) $\frac{JK}{IK}$ (iii) $\frac{IJ}{JK}$ (iv) $\frac{IK}{IJ}$ (v) $\frac{IJ}{IK}$

4. From the given figure, find $\operatorname{cosec}(90 - H)$



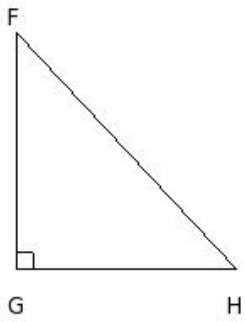
(i) $\frac{FG}{GH}$ (ii) $\frac{GH}{FG}$ (iii) $\frac{FH}{GH}$ (iv) $\frac{FH}{FG}$ (v) $\frac{FG}{FH}$

5. From the given figure, find $\sec(90 - F)$



(i) $\frac{FH}{GH}$ (ii) $\frac{FG}{GH}$ (iii) $\frac{FH}{FG}$ (iv) $\frac{FG}{FH}$ (v) $\frac{GH}{FG}$

6. From the given figure, find $\cot(90 - F)$



(i) $\frac{GH}{FG}$ (ii) $\frac{FH}{FG}$ (iii) $\frac{FH}{GH}$ (iv) $\frac{GH}{FH}$ (v) $\frac{FG}{FH}$

Assignment Key

1) (iv)	2) (iv)	3) (iii)	4) (iii)	5) (i)	6) (i)