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| **Match-Up** | **Trigonometric Equations** |

Match the trigonometric equation with the correct diagram.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **1** |  | **2** |  |  | **A** | $$x=tan^{-1}\left(\frac{7}{10}\right)$$ |
|  | **B** | $$x=10×\sin(38)$$ |
| **3** |  | **4** |  |  | **C** | $$x=10×\tan(38)$$ |
|  | **D** | $$x=\frac{10}{\sin(38)}$$ |
| **5** |  | **6** |  |  | **E** | $$x=sin^{-1}\left(\frac{7}{10}\right)$$ |
|  | **F** | $$x=tan^{-1}\left(\frac{10}{7}\right)$$ |
| **7** |  | **8** |  |  | **G** | $$x=10×\cos(38)$$ |
|  | **H** | $$x=\frac{10}{\cos(38)}$$ |
| **9** |  | **10** |  |  | **I** | $$x=\frac{10}{\tan(38)}$$ |
|  | **J** | $$x=cos^{-1}\left(\frac{7}{10}\right)$$ |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
|  |  |  |  |  |  |  |  |  |  |