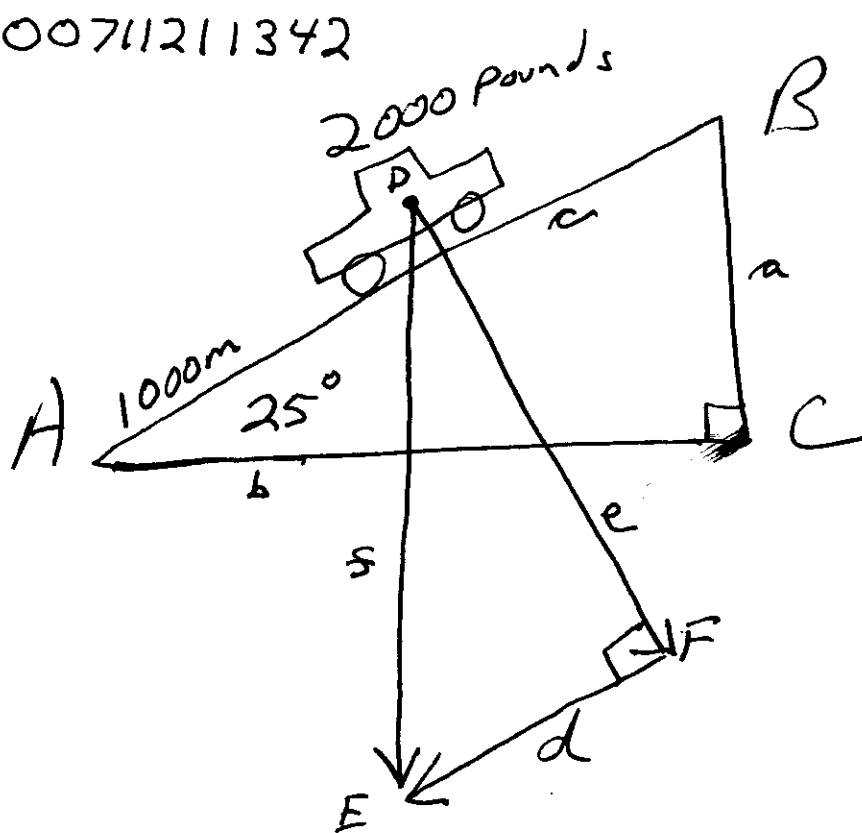


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$$a = 1000 \sin 25^\circ \text{ m}$$

$$= (1000)(.4226) \text{ m}$$

$$= 422.6 \text{ m}$$

$$b = 1000 \cos 25^\circ \text{ m}$$

$$= (1000)(.9063) \text{ m}$$

$$= 906.3 \text{ m}$$

$$d = (2000 \text{ lbs})(\sin 25^\circ)$$

$$= (2000)(.4226) \text{ lbs}$$

$$= 845.2 \text{ lbs}$$

$$e = (2000 \text{ lbs})(\cos 25^\circ)$$

$$= (2000)(.9063) \text{ lbs}$$

$$= 1812.6 \text{ lbs}$$

$$D = A = 25^\circ$$

$$E = B = 65^\circ$$

$$F = C = 90^\circ$$

Name Answer

$$A = \underline{25^\circ}$$

$$B = \underline{65^\circ}$$

$$C = \underline{90^\circ}$$

$$a = \underline{422.6 \text{ m}}$$

$$b = \underline{906.3 \text{ m}}$$

$$c = \underline{1000 \text{ m}}$$

$$D = \underline{25^\circ}$$

$$E = \underline{65^\circ}$$

$$F = \underline{90^\circ}$$

$$d = \underline{845.2 \text{ lbs}}$$

$$e = \underline{1812.6 \text{ lbs}}$$

$$s = \underline{2000 \text{ lbs}}$$