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MA304.2.E1 – Trigonometric Ratios Exercise

1. Evaluate, without using the calculator, $\frac{\sin 60^\circ - \tan 45^\circ}{\cos 60^\circ - 1} + \frac{\tan 15^\circ \tan 75^\circ}{2 \sin 30^\circ}$.
2. Additional Mathematics 360 (2nd Edition) Exercise 10.1
 - 2.1 Question 10
 - 2.2 Question 16
 - 2.3 Question 19
 - 2.4 Question 20
3. Given that $\tan A = 0.4$ and $\cos A < 0$, find the exact value of $\sin A + \sin\left(\frac{\pi}{2} - A\right)$.